

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **CACHING OF INTRA-LAYER CALCULATIONS FOR RAPID RIGOROUS COUPLED-WAVE ANALYSES**, the specification of which

(check
one) [X] is attached hereto.
[] was filed on _____ as
Application Serial No. _____,
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Applications			Priority Claimed	
(Number)	(Country)	(Day/Month/Year filed)	[]	[]
			Yes	No
			[]	[]
			Yes	No
			[]	[]
			Yes	No

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status)
(Application Serial No.)	(Filing Date)	(Status)
(Application Serial No.)	(Filing Date)	(Status)

I hereby appoint the following attorneys or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Laurence J. Shaw, Registration Number 34,723

Direct all telephone calls to LAURENCE J. SHAW
at: (415) 673-6203.

Address all correspondence to:

Laurence J. Shaw
3627 Sacramento Street
San Francisco, CA 94118

File No. TIM-CCW-R

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or
first inventor: Xinhui Niu

Inventor's signature: _____

Date: _____

Residence: San Jose, California

Citizenship: China (People's Republic of China)

Post Office Address: 1422 Birchmeadow Lane, San Jose, California 95131

Full name of

second inventor: Nickhil Harshavardhan Jakatdar

Inventor's signature: _____

Date: _____

Residence: Fremont, California

Citizenship: India

Post Office Address: 1226 Koi Terrace, Fremont, California 94536